

II. Claims

The present version and listing of the claims replaces all prior versions and listings of the claims.

1. (currently amended) A method of redacting content from a document in ~~electronic form~~ portable document format (PDF) comprising a PDF data stream, comprising the steps of:

selecting at least one geometric area on the document for redaction, said geometric area having content comprising at least one image and text;

representing said geometric area as one or more annotation objects;

identifying information in the document representing content and location and nature of content;

representing said identified information as one or more content objects, said one or more content objects comprising one or more image occurrence objects and one or more text occurrence objects;

identifying content having the same geometric location as said annotation objects;

removing said identified content; and

creating an electronic output PDF file comprising said PDF data stream except for portions of said PDF data stream, ~~said output file comprising said identified information except for portions of said information~~ corresponding to said identified content, a redacted document being producible from said output PDF file for display.

2. (original) The method of claim 1, wherein one or more items of information are associated with said annotation object.

3. (canceled).

4. (currently amended) The method of claim 1 [[3]], wherein the redacted text and

redacted at least one image are not found in the redacted document.

5. (currently amended) A computer implemented method for designating portions of a document for redaction, comprising the steps of:

displaying all or a portion of the document;

designating a geographic region of the document for redaction; and

saving the designations in association with the document,

wherein said step of designating comprises manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document, content having a geographic location within said frame being visible to the user during said step of manipulation, said content comprising at least one image.

6. (original) The method of claim 5, further comprising the step of associating one or more codes with each of said designations.

7. (canceled)

8. (previously presented) The method of claim 5, wherein said content further comprises text, wherein said step of designating comprises designating all geographic regions containing content selected by a user for batch designation.

9. (currently amended) A storage medium having stored therein a plurality of instructions, wherein the plurality of instructions, when executed by a processor, cause the processor to perform the steps of:

permitting a user to select at least one geometric area on a document for redaction, said geometric area having content comprising at least one image and text, said document being in portable document format (PDF) comprising a PDF data stream;

representing said geometric area as one or more annotation objects;

identifying information in the document representing content and location and

nature of content, said content comprising at least one image and text;

representing said identified information as one or more content objects, said one or more content objects comprising one or more image occurrence objects and one or more text occurrence objects;

identifying content having the same geometric location as said annotation objects;

removing said identified content; and

creating an electronic output PDF file comprising said PDF data stream except for portions of said PDF data stream, ~~said output file comprising said identified information except for portions of said information~~ corresponding to said identified content, a redacted document being producible from said output PDF file.

10. (original) The storage medium of claim 9, wherein one or more items of information are associated with said annotation object.

11. (canceled)

12. (currently amended) The storage medium of claim 9 ~~11~~, wherein the text and at least one image marked for redaction have been removed in the redacted document.

13. (currently amended) A storage medium having stored therein a plurality of instructions, wherein the plurality of instructions, when executed by a processor, cause the processor to perform the steps of:

displaying all or a portion of a document;

permitting a user to designate a geographic region of the document for redaction; and

saving the designation in association with the document;

wherein said step of designating comprises manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document, content having a geographic location within said frame being visible to the user during said step of manipulation, said content comprising at

least one image.

14. (original) The storage medium of claim 13, wherein said plurality of instructions, when executed by a processor, cause the processor to perform the further step of associating one or more codes with each of said designations.

15. (canceled)

16. (previously presented) The storage medium of claim 13, wherein said content further comprises text, wherein said step of permitting a user to designate comprises permitting a user to select content for batch designation and designating all geographic regions containing said selected content.

17. (currently amended) A system for redacting content from a document in ~~electronic form~~ portable document format (PDF) comprising a PDF data stream, comprising:

- means for permitting a user to select at least one geometric area on the document for redaction, said geometric area having content comprising at least one image and text;
- means for representing said geometric area as one or more annotation objects;
- means for identifying information in the document representing content and location and nature of content, said content comprising at least one image and text;
- means for representing said identified information as one or more content objects, said one or more content objects comprising one or more image occurrence objects and one or more text occurrence objects; and
- means for identifying content having the same geometric location as said annotation objects;
- means for removing said identified content, and
- means for creating an electronic output PDF file comprising said PDF data stream except for portions of said PDF data stream, ~~said output file comprising said identified~~

~~information except for portions of said information~~ corresponding to said identified content, a redacted document being producible from said output file.

18. (original) The system of claim 17, wherein one or more items of information are associated with said annotation object.

19. (canceled)

20. (original) The system of claim 17, wherein the information to be redacted is not found in the redacted document.

21. (currently amended) A computer implemented system for designating portions of a document for redaction, comprising the steps of:

means for displaying all or a portion of the document;

means for permitting a user to designate a geographic region of the document for redaction, said permitting means comprising means for manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document while content having a geographic location within said frame is visible to the user, said content comprising at least one image; and

means for saving the designations in association with the document.

22. (original) The system of claim 21, further comprising means for associating one or more codes with each of said designations.

23. (canceled)

24. (previously presented) The system of claim 21, wherein said content further comprises text, wherein said means for permitting a user to designate comprises permitting a user to select content for batch designation and means for designating all geographic regions containing said selected content.

25. (canceled)

26. (previously presented) A computer implemented method of redacting content

from a document in portable document format (PDF) comprising a PDF data stream, comprising the steps of:

selecting a first geometric area on the document for redaction, said first geometric area having content comprising at least one image;

selecting a second geometric area on the document for redaction, said second geometric area having content comprising text;

representing said geometric areas as annotation objects;

parsing said document into one or more content objects representing content and location and nature of content in said document, said one or more content objects comprising one or more text occurrence objects and one or more image occurrence objects;

identifying content from said one or more content objects having the same geometric location as said annotation objects; and

creating an output PDF file comprising said PDF data stream except for portions of said PDF data stream corresponding to said identified content, wherein a redacted document is producible from said output PDF file.

27. (currently amended) The method of Claim 26, wherein said selecting step comprises:

displaying all or a portion of the document; and

manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document, content having a geographic location within said frame being visible to the user during said step of manipulation.

28. (currently amended) The method of Claim 1, wherein said information identifying step comprises:

displaying all or a portion of the document; and

manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document, content having a geographic location within said frame being visible to the user during said step of manipulation.

29. (currently amended) The storage medium of Claim 9, wherein the information identifying step comprises:

displaying all or a portion of the document; and

manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document, content having a geographic location within said frame being visible to the user during said step of manipulation.

30. (currently amended) The system of claim 17, wherein the information identifying means comprises:

means for displaying all or a portion of the document; and

means for manipulating a movable viewing frame superimposed ~~displayed~~ on the displayed document, content having a geographic location within said frame being visible to the user during said step of manipulation.

31. (currently amended) The method of claim 1, wherein said removing step comprises replacing pixels corresponding to said identified content with replacement pixels, said replacement pixels being included in said PDF data stream of said output PDF file.

32. (currently amended) The medium of claim 9, wherein said removing step comprises replacing pixels corresponding to said identified content with replacement pixels, said replacement pixels being included in said PDF data stream of said output PDF file.

33. (currently amended) The medium of claim 17, wherein said means for removing said identified content replaces pixels corresponding to said identified content with replacement pixels, said replacement pixels being included in said PDF data stream of said output PDF file.
34. (currently amended) The method of claim 26, further comprising the step of replacing pixels corresponding to said content comprising at least one image with replacement pixels, said replacement pixels being included in said PDF data stream of said output PDF file.
35. (new) The method of claim 5, wherein said movable viewing frame is resizable.
36. (new) The system of claim 21, wherein said movable viewing frame is resizable.